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PTO/SB/05 (11-00)
Approved for use through 10/31/2002. OMB 0651-0032
U S Patent and Trademark Office; U S. DEPARTMENT OF COMMERCE09/918967
07/31/01

Under the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number.

UTILITY PATENT APPLICATION TRANSMITTAL

(Only for new nonprovisional applications under 37 CFR 1.53(b))

Attorney Docket No. TI-32407

First Inventor Ngo

Title Distributed Device Identifier Numbering and Total
Device Counting Algorithm with Smart Time Division
Multiplexed Serial Port

Express Mail Label No. EL 904320058 US

APPLICATION ELEMENTS

See MPEP chapter 600 concerning utility patent application contents

1. Fee Transmittal Form (e.g., PTO/SB/17)
(Submit an original and a duplicate for fee processing)

2. Applicant claims small entity status.
See 37 CFR 1.27.

3. Specification [Total Pages 50] (preferred arrangement set forth below)

- Descriptive title of the invention
- Background of the Invention
- Brief Summary of the Invention
- Brief Description of the Drawings (if filed)
- Detailed Description
- Claim(s)
- Abstract of the Disclosure

4. Drawing(s) (35 U.S.C. 113) [Total Sheets 11]

5. Oath or Declaration [Total Sheets 1]

a. Newly executed (original or copy)

b. Copy from a prior application (37 CFR 1.63(d))
(for continuation/divisional with Box 18 completed)

i. DELETION OF INVENTOR(S)
Signed statement attached deleting inventor(s)
named in the prior application, see 37 CFR
1.63(d)(2) and 1.33(b).

6. Application Data Sheet. See 37 CFR 1.76

ADDRESS TO: Assistant Commissioner for Patents
Box Patent Application
Washington, DC 20231

7. CD-ROM or CD-R in duplicate, large table or
Computer Program (Appendix)

8. Nucleotide and/or Amino Acid Sequence Submission
(if applicable, all necessary)

a. Computer Readable Form (CRF)

b. Specification Sequence Listing on:

i. CD-ROM or CD-R (2 copies); or

ii. paper

c. Statements verifying identity of above copies

ACCOMPANYING APPLICATION PARTS

9. Assignment Papers (cover sheet & document(s))

10. 37 CFR 3.73(b) Statement Power of
(when there is an assignee) Attorney

11. English Translation Document (if applicable)

12. Information Disclosure Statement (IDS)/PTO-1449 1 Copies of IDS
Citations

13. Preliminary Amendment

14. Return Receipt Postcard (MPEP 503)
(Should be specifically itemized)

15. Certified Copy of Priority Document(s)
(if foreign priority is claimed)

16. Request and Certification under 35 U.S.C. 122
(b)(2)(B)(i). Applicant must attach form PTO/SB/35
or its equivalent.

17. Other:

18 If a CONTINUING APPLICATION, check appropriate box, and supply the requisite information below and in a preliminary amendment,
or in an Application Data Sheet under 37 CFR 1.76: Continuation Divisional Continuation-in-part (CIP)

of prior application No _____

Prior application information

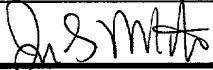
Examiner _____

Group Art Unit _____

For CONTINUATION or DIVISIONAL APPS only: The entire disclosure of the prior application, from which an oath or declaration is supplied under
Box 5b, is considered a part of the disclosure of the accompanying continuation or divisional application and is hereby incorporated by reference. The
incorporation can only be relied upon when a portion has been inadvertently omitted from the submitted application parts.**19. CORRESPONDENCE ADDRESS**

| | | | |
|--------------------------|--|----|---|
| <input type="checkbox"/> | Customer Number or Bar Code Label 23494 (Insert Customer No. or Attach bar code label here) | or | <input type="checkbox"/> Correspondence address below |
|--------------------------|--|----|---|

| | | | | | |
|---------|---|-----------|--------------|----------|--------------|
| Name | Robert D. Marshall, Jr. | | | | |
| Address | Texas Instruments Incorporated P. O. Box 655474 M/S 3999 | | | | |
| City | Dallas | State | Texas | Zip Code | 75265 |
| Country | USA | Telephone | 972-917-5557 | Fax | 972-917-4418 |

| | | | |
|-------------------|---|-----------------------------------|----------------|
| Name (Print/type) | Ira S. Matsil | Registration No. (Attorney/Agent) | 35,272 |
| Signature |  | | Date 7/31/2001 |

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS SEND TO: Assistant Commissioner for Patents, Box Patent Application, Washington, DC 20231

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FEE TRANSMITTAL for FY 2001

Patent fees are subject to annual revision.

TOTAL AMOUNT OF PAYMENT (\$ 1,476.00)

Complete if Known

| | |
|----------------------|-------------|
| Application Number | TBD |
| Filing Date | Herewith |
| First Named Inventor | Ngo, et al. |
| Examiner Name | TBD |
| Group Art Unit | TBD |
| Attorney Docket No. | TI-32407 |

METHOD OF PAYMENT

1. The Commissioner is hereby authorized to charge indicated fees and credit any overpayments to:

20-0668

Texas Instruments Incorporated

Deposit Account Number
Deposit Account Name
Charge Any Additional Fee Required
Under 37 CFR 1.16 and 1.17
Applicant claims small entity status
See 37 CFR 1.27

2. Payment Enclosed:
Check Credit Card Money Order Other

FEE CALCULATION (continued)

3. ADDITIONAL FEES

| Fee Code | Large Entity Fee (\$) | Small Entity Fee (\$) | Fee Description | Fee Paid |
|-----------------------------------|-----------------------|-----------------------|---|------------------------|
| 105 | 130 | 205 | 65 Surcharge - late filing fee or oath | |
| 127 | 50 | 227 | 25 Surcharge - late provisional filing fee or cover sheet | |
| 139 | 130 | 139 | 130 Non-English specification | |
| 147 | 2,520 | 147 | 2,520 For filing a request for ex parte reexamination | |
| 112 | 920* | 112 | 920* Requesting publication of SIR prior to Examiner action | |
| 113 | 1,840* | 113 | 1,840* Requesting publication of SIR after Examiner action | |
| 115 | 110 | 215 | 55 Extension for reply within first month | |
| 116 | 390 | 216 | 195 Extension for reply within second month | |
| 117 | 890 | 217 | 445 Extension for reply within third month | |
| 118 | 1,390 | 218 | 695 Extension for reply within fourth month | |
| 128 | 1,890 | 228 | 945 Extension for reply within fifth month | |
| 119 | 310 | 219 | 155 Notice of Appeal | |
| 120 | 310 | 220 | 155 Filing a brief in support of an appeal | |
| 121 | 270 | 221 | 135 Request for oral hearing | |
| 138 | 1,510 | 138 | 1,510 Petition to institute a public use proceeding | |
| 140 | 110 | 240 | 55 Petition to revive - unavoidable | |
| 141 | 1,240 | 241 | 620 Petition to revive - unintentional | |
| 142 | 1,240 | 242 | 620 Utility issue fee (or reissue) | |
| 143 | 440 | 243 | 220 Design issue fee | |
| 144 | 600 | 244 | 300 Plant issue fee | |
| 122 | 130 | 122 | 130 Petitions to the Commissioner | |
| 123 | 50 | 123 | 50 Processing fee under 37 CFR 1.17(q) | |
| 126 | 180 | 126 | 180 Submission of Information Disclosure Stmt | |
| 581 | 40 | 581 | 40 Recording each patent assignment per property (times number of properties) | 40.00 |
| 146 | 710 | 246 | 355 Filing a submission after final rejection (37 CFR § 1.129(a)) | |
| 149 | 710 | 249 | 355 For each additional invention to be examined (37 CFR § 1.129(b)) | |
| 179 | 710 | 279 | 355 Request for Continued Examination (RCE) | |
| 169 | 900 | 169 | 900 Request for expedited examination of a design application | |
| Other fee (specify) _____ | | | | |
| *Reduced by Basic Filing Fee Paid | | | | SUBTOTAL (3) (\$40.00) |

** or number previously paid, if greater; For Reissues, see above

| SUBMITTED BY | | Complete if applicable | | |
|-------------------|---|----------------------------------|---------|------------------------|
| Name (Print/Type) | Ira S. Matsil | Registration No (Attorney/Agent) | 35,272 | Telephone 972 732 1001 |
| Signature |  | Date | 7/31/01 | |

WARNING: Information on this form may become public. Credit card information should not be included on this form. Provide credit card information and authorization on PTO-2038.

Burden Hour Statement: This form is estimated to take 0.2 hours to complete. Time will vary depending upon the needs of the individual case. Any comments on the amount of time you are required to complete this form should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, Washington, DC 20231. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Assistant Commissioner for Patents, Washington, DC 20231.

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Ngo

Art Unit: TBD

Serial No.: TBD

Examiner: TBD

Filed: Herewith

Docket: TI-32407

For: Distributed Device Identifier Numbering and Total Device Counting Algorithm
with Smart Time Division Multiplexed Serial Port

Certificate of Mailing via Express Mail

EXPRESS MAIL mailing label number: EL904320058US

Date of Deposit: July 31, 2001

I hereby certify that the following documents, which are enclosed, are being deposited with the United States Postal Service "Express Mail Post Office to Addressee" service under 37 CFR 1.10 on the date indicated above and is addressed to: BOX: Patent Application, Assistant Commissioner for Patents, Washington, DC 20231:

- Utility Patent Application Transmittal (1 page)
- Complete Copy of Patent Application (61 pages), to include:
 - Specification (50 pages)
 - Drawings (11 pages)
- Declaration and Power of Attorney (1 page)
- Assignment Recordation Cover Sheet (1 page)
- Copy of Original Signed Assignments (1 page)
- Information Disclosure Statement and Form 1449 (2 pages)
One Reference (105 pages)
- Fee Transmittal (1 original and 1 copy)
- Two (2) Return Postcards

Respectfully submitted,



Nancy Todd